



Innovation Savings				
Project Description	Anticipated Price	Estimated Direct Savings	Estimated User Cost Savings	
4500 S AT I-215	\$6,896,917.19		\$40,000,000.00	
ATKINVILLE INTERCHANGE	\$42,084,814.57	\$4,700,000.00		
I-15 BRIDGE RECONSTRUCT	\$9,032,135.05	\$240,000.00	\$43,000,000.00	
I-80 RECONSTRUCT Ph2	\$116,425,488.79	\$4,000,000.00	\$122,000,000.00	
RIVERDALE RD Ph3	\$41,748,562.31	\$3,260,000.00	\$84,000,000.00	
VIRGIN RIVER TRAIL	\$1,296,518.74	\$180,000.00		
SP-RIVER RD TO AIR PORT	\$14,024,172.74	\$1,400,000.00		
Total	\$231,508,609.39	\$13,780,000.00	\$289,000,000.00	
Savings as a Percent of Anticipated Price:		6%	125%	

* Majority of Savings is accomplished by risk management and risk avoidance!

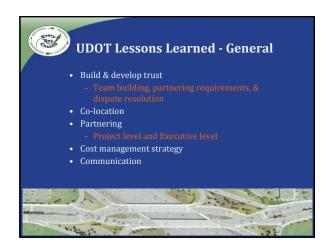


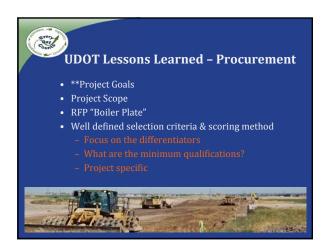
Beneficial Use of CMGC

Projects with:

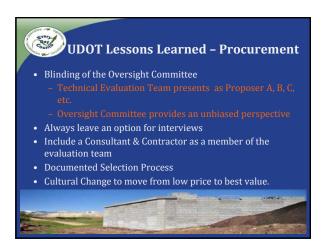
- High complexity
 - Contractor input valuable to project design
 - Opportunities for innovation
- $\bullet \quad \hbox{Owner maintaining control of the design}$
- Introduction of new innovations
- Early start possible during design
 - Early procurement of long lead items
- Third Party risk
- Variable scope
- Schedule is not a main driver to allow preconstruction phase

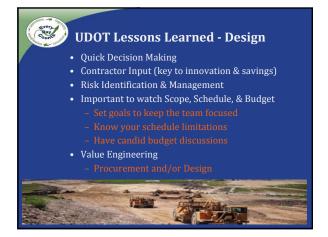


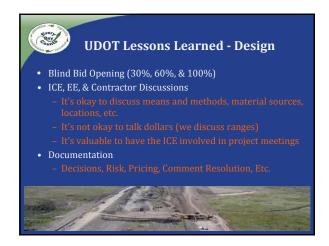




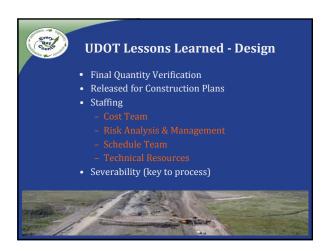


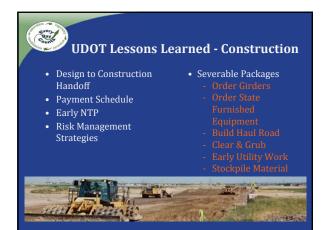














Summary of Best Practices

- Project Manager is Key (Right People + Right Project = Success)
- Open Communication Required
- Getting to Why Designer & Contractor's Approaches & Prices are Different

Really understanding what is included and what is reasonable

- Risk Assessment, Mitigation, & Management Strategies
- Trusting Team Relationships
- If Preparing Multiple RFC Phases of Project, Ensure Severability
- Involve Industry in CMGC Process
 - RFP Review Period

AGC & ACEC Voting Member:

- Benefits of Production Estimating versus Historical Averages
- Follow Standard Practices As Much As Possible



Change Orders

- State Department of Transportation's Integrity is following defined process
- In CMGC The Process involving the Independent Cost Estimator (ICE) allows for fair pricing
- Change orders are reduced by Project Team Approach

